Inter | Application No PCT/GB2004/002478

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 C07C209/14 C07C209/16 C07C309/66 C07B57/00 C07C211/27 C07C29/143 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) CO7C CO7B IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, CHEM ABS Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category 1 "High pressure W. H. PIRKLE ET AL.: Х assisted synthesis." JOURNAL OF ORGANIC CHEMISTRY. vol. 42, no. 18, 1977, pages 3101-3103, XP002300103 USAMERICAN CHEMICAL SOCIETY, WASHINGTON, page 3102, column 2 1-9, JAYARAM R. TAGAT ET AL.: Y 11-16 "Piperazine-based CCR5 antagonists as HIV-1 inhibitors." JOURNAL OF MEDICINAL CHEMISTRY. vol. 44, no. 21, 2001, pages 3343-3346, XP002300104 USAMERICAN CHEMICAL SOCIETY. WASHINGTON. page 3344, scheme 2 -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. X \* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the International filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of malling of the international search report Date of the actual completion of the international search 11 October 2004 16 02 2005 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Rufet, J

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	ation) DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	DATABASE CROSSFIRE BEILSTEIN BEILSTEIN INSTITUT ZUR FOERDERUNG DER CHEMISCHEN WISSENSCHAFTEN, FRANFURKT AM MAIN, DE; Database-Accession no. 4377580 (ID) XP002300107 abstract & JOURNAL OF ORGANIC CHEMISTRY., vol. 60, no. 26, 1995, pages 8424-8427, USAMERICAN CHEMICAL SOCIETY, WASHINGTON, DC.	21
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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
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X	THOMAS M. STEIN ET AL.: "Synthesis and aggregation properties of a new family of amphiphiles with an unusual headgroup topology"  JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., vol. 114, no. 10, 1992, pages 3943-3950, XP002300106  USAMERICAN CHEMICAL SOCIETY, WASHINGTON, DC. Scheme II; page 3948, column 2, paragraph 2	

ational application No. PCT/GB2004/002478

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.:     because they relate to subject matter not required to be searched by this Authority, namely:
Claims Nos.:     because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:  1-17, 21, 22
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17,21,22

Process for the preparation of an amine of formula (1) wherein an intermediate compound having a leaving group OL is reacting with ammonia and mesylate intermediates thereof

2. claim: 18

Alternative process for the preparation of a stereoisomer of an alcohol compound of formula (14)

3. claims: 19,20

Alternative process for the diastereomeric salt resolution of (S)-1-naphthylethylamine and diastereomeric salt thereof

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